

Amendments to the Claims

1. Cancelled

2. (Amended) A carbinol-functional silicone resin of claim 204 wherein
the alkyl group is methyl;
the aryl group is phenyl;
the carbinol group free of aryl groups having at least 3 carbon atoms is selected from a group
having the formula R⁴OH wherein R⁴ is selected from

- (1) a group having the formula -(CH₂)_x- where x has a value of 3 to 10,
- (2) -CH₂CH(CH₃)-,
- (3) -CH₂CH(CH₃)CH₂-,
- (4) -CH₂CH₂CH(CH₂CH₃)CH₂CH₂CH₂-, and
- (5) a group having the formula -OCH(CH₃)(CH₂)_x- wherein x has a value of 1 to 10

and a group having the formula R⁶(OH) wherein R⁶ is a group having the formula -
CH₂CH₂(CH₂)_xOCH₂CH- wherein x in each case has a value of 1 to 10;

the aryl-containing carbinol group having at least 6 carbon atoms is a group having the
formula R⁵OH wherein R⁵ is selected from

- (1) a group having the formula -(CH₂)_xC₆H₄- wherein x has a value of 0 to 10,
- (2) a group having the formula -CH₂CH(CH₃)(CH₂)_xC₆H₄- wherein x has a value of
0 to 10, and
- (3) a group having the formula -(CH₂)_xC₆H₄(CH₂)_x- wherein x has a value of 1 to
10.

3. (Original) A carbinol-functional silicone resin comprising the units:

(R¹₃SiO_{1/2})_a (i)

(R²₂SiO_{2/2})_b (ii)

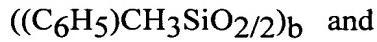
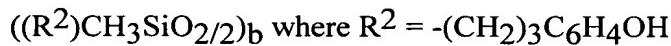
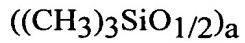
(R³SiO_{3/2})_c (iii) and

(SiO_{4/2})_d (iv)

wherein R¹ is independently a hydrogen atom, an alkyl group having from 1 to 8 carbon atoms, an aryl group, a carbinol group free of aryl groups having at least 6 carbon atoms, or an aryl-containing carbinol group having at least 6 carbon atoms, R² is a hydrogen atom, an alkyl group having from 1 to 8 carbon atoms, an aryl group, a carbinol group free of aryl groups having at least 3 carbon atoms, or an aryl-containing carbinol group having at least 6 carbon atoms, R³ is an alkyl group having from 1 to 8 carbon atoms or an aryl group, a has a value of less than or equal to 0.6, b has a value of zero or greater than zero, c has a value of greater than zero, d has a value of less than 0.5, and the value of a + b + c + d = 1, and with the proviso that when each R² is methyl the value of b is less than 0.3 and with the proviso that greater than 25 wt% of the R¹+R²+R³ groups in the carbinol-functional silicone resin are phenyl.

4. (Amended) The carbinol-functional silicone resin of ~~any of Claims 201 to 3~~ where a has a typical value of 0.1 to 0.6, b has a typical value of 0 to 0.4, c has a typical value of 0.3 to 0.8, and d has a typical value of 0 to 0.3.

5. (Amended) The carbinol-functional silicone resin according to Claim ~~201 or 2~~ wherein the carbinol-functional silicone resin is selected from carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$ and
 $(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$
 $(CH_3SiO_{3/2})_c$ and
 $(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$
 $((R^2)CH_3SiO_{2/2})_b$ where $R^2 = -(CH_2)_3OH$
 $((C_6H_5)CH_3SiO_{2/2})_b$ and
 $(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$
 $((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$ and
 $(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -CH_2CH(CH_3)CH_2OH$
 $((H)(CH_3)_2SiO_{1/2})_a$ and
 $(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^+))(CH_3)_2SiO_{1/2})_a$ where $R^+ = -(CH_2)_3OH$
 $(CH_3SiO_{3/2})_e$

wherein a has a typical value of 0.1 to 0.6, b has a typical value of zero to 0.4, and c has a typical value of 0.3 to 0.8.

5. (Cancelled)

6. (Amended) A method of preparing carbinol-functional silicone resins comprising reacting:

(A') at least one hydrogen-functional silicone resin comprising the units:

$(R^7_3SiO_{1/2})_a$ (i)

$(R^8_2SiO_{2/2})_b$ (ii)

$(R^3SiO_{3/2})_c$ (iii) and

$(SiO_{4/2})_d$ (iv)

wherein R^7 and R^8 are each independently an alkyl group having from 1 to 8 carbon atoms, an aryl group, or a hydrogen atom, R^3 is an alkyl group having from 1 to 8 carbon atoms or an aryl group, a has a value of less than or equal to 0.6, b has a value of zero or greater than zero, c has a value of greater than zero, d has a value of less than 0.5, the value of $a + b + c + d = 1$, with the proviso that when each R^8 is methyl the value of b is less than 0.3, with the proviso that there are at least two silicon-bonded hydrogen atoms present in the silicone resin and with the proviso that greater than 10 wt% of the $R^7+R^8+R^3$ groups are phenyl; and (B')

at least one vinyl-terminated alcohol; in the presence of (C') a hydrosilylation catalyst; and optionally (D') at least one solvent.

7. (Original) A method of preparing carbinol-functional silicone resins comprising reacting:

(A') at least one hydrogen-functional silicone resin comprising the units:

$(R^7_3SiO_{1/2})_a$ (i)

$(R^8_2SiO_{2/2})_b$ (ii)

$(R^3SiO_{3/2})_c$ (iii) and

$(SiO_{4/2})_d$ (iv)

wherein R^7 and R^8 are each independently an alkyl group having from 1 to 8 carbon atoms, an aryl group, or a hydrogen atom, R^3 is an alkyl group having from 1 to 8 carbon atoms or an aryl group, a has a value of less than or equal to 0.6, b has a value of zero or greater than zero, c has a value of greater than zero, d has a value of less than 0.5, the value of $a + b + c + d = 1$, with the proviso that when each R^8 is methyl the value of b is less than 0.3, with the

proviso that there are at least two silicon-bonded hydrogen atoms present in the silicone resin and with the proviso that greater than 30 wt% of the $R^{+7}+R^{28}+R^3$ groups are phenyl; and (B') at least one vinyl-terminated alcohol; in the presence of (C') a hydrosilylation catalyst; and optionally (D') at least one solvent.

8. (Amended) The method of preparing carbinol-functional silicone resins according to Claim 6 or 7 where a has a typical value of 0.1 to 0.6, b has a typical value of 0 to 0.4, c has a typical value of 0.3 to 0.8, and d has a typical value of 0 to 0.3.

9. (Original) The method of preparing carbinol-functional silicone resins according to Claim 6 where the hydrogen-functional silicone resins of (A) are selected from hydrogen-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$

$((H)CH_3SiO_{2/2})_b$

$((C_6H_5)CH_3SiO_{2/2})_b$ and

$(C_6H_5SiO_{3/2})_c$,

hydrogen-functional silicone resins comprising the units:

$((H)(CH_3)_2SiO_{1/2})_a$

$(C_6H_5SiO_{3/2})_c$,

hydrogen-functional silicone resins comprising the units:

$((H)(CH_3)_2SiO_{1/2})_a$

$(CH_3SiO_{3/2})_c$,

hydrogen-functional silicone resins comprising the units:

$((H)(CH_3)_2SiO_{1/2})_a$

$(CH_3SiO_{3/2})_c$ and

$(C_6H_5SiO_{3/2})_c$,

and

hydrogen-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$

$((H)(CH_3)_2SiO_{1/2})_a$

$(C_6H_5SiO_{3/2})_c$

wherein a has a typical value of 0.1 to 0.6, b has a typical value of 0 to 0.4, and c has a typical value of 0.3 to 0.8.

10. (Original) An emulsion composition comprising: (A) a carbinol-functional silicone resin comprising the units:

$(R^1_3SiO_{1/2})_a$ (i)

$(R^2_2SiO_{2/2})_b$ (ii)

$(R^3SiO_{3/2})_c$ (iii) and

$(SiO_{4/2})_d$ (iv)

wherein R^1 and R^2 are each independently a hydrogen atom, an alkyl group having from 1 to 8 carbon atoms, an aryl group, a carbinol group free of aryl groups having at least 3 carbon atoms, or an aryl-containing carbinol group having at least 6 carbon atoms, R^3 is an alkyl group having from 1 to 8 carbon atoms or an aryl group, a has a value of less than or equal to 0.6, b has a value of zero or greater than zero, c has a value of greater than zero, d has a value of less than 0.5, and the value of $a + b + c + d = 1$, and with the proviso that when each R^2 is methyl the value of b is less than 0.3, and with the proviso there is on average at least one carbinol group per resin molecule; (B) at least one surfactant; and (C) water.

11. (Amended) The emulsion composition according to claim 10 wherein the alkyl group is methyl; the aryl group is phenyl; the carbinol group free of aryl groups having at least 3 carbon atoms is selected from a group having the formula R^4OH wherein R^4 is selected from

- (1) a group having the formula $-(CH_2)_x-$ where x has a value of 3 to 10,
- (2) $-CH_2CH(CH_3)-$,
- (3) $-CH_2CH(CH_3)CH_2-$,
- (4) $-CH_2CH_2CH(CH_2CH_3)CH_2CH_2CH_2-$, and
- (5) a group having the formula $-OCH(CH_3)(CH_2)_x-$ wherein x has a value of 1 to 10

and a group having the formula $R^6(OH)$ wherein R^6 is a group having the formula -
 $CH_2CH_2(CH_2)_xOCH_2CH-$ wherein x in each case has a value of 1 to 10;

the aryl-containing carbinol group having at least 6 carbon atoms is a group having the
formula R^5OH wherein R^5 is selected from

(4) (1) a group having the formula $-(CH_2)_xC_6H_4-$ wherein x has a value of 0 to 10,

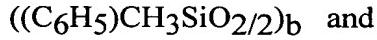
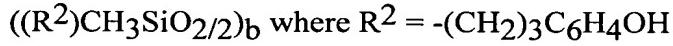
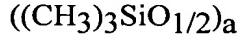
(5) (2) a group having the formula $-CH_2CH(CH_3)(CH_2)_xC_6H_4-$ wherein x has a
value of 0 to 10, and

(3) a group having the formula $-(CH_2)_xC_6H_4(CH_2)_x-$ wherein x has a value of 1 to
10.

12. (Amended) The emulsion composition according to Claim 10 or ~~11~~ wherein
where a has a typical value of 0.1 to 0.6, b has a typical value of 0 to 0.4, c has a typical value
of 0.3 to 0.8, and d has a typical value of 0 to 0.3.

13. (Amended) The emulsion composition according to Claim 10 or ~~11~~ wherein the
carbinol-functional silicone resin is selected from

carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:



carbinol-functional silicone resins comprising the units:



$(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$

$(CH_3SiO_{3/2})_c$ and

$(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$

$((R^2)CH_3SiO_{2/2})_b$ where $R^2 = -(CH_2)_3OH$

$((C_6H_5)CH_3SiO_{2/2})_b$ and

$(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((CH_3)_3SiO_{1/2})_a$

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$ and

$(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -CH_2CH(CH_3)CH_2OH$

$((H)(CH_3)_2SiO_{1/2})_a$ and

$(C_6H_5SiO_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((R^1)(CH_3)_2SiO_{1/2})_a$ where $R^1 = -(CH_2)_3OH$

$(CH_3SiO_{3/2})_c$

wherein a has a typical value of 0.1 to 0.6, b has a typical value of zero to 0.4, and c has a typical value of 0.3 to 0.8.

14. (Amended) The emulsion composition according to ~~any of Claims 10 to 13~~,

wherein greater than 10 weight percent of the $R^1+R^2+R^3$ groups are phenyl.

15. (Amended) The emulsion composition according to ~~any of Claims 10 to 14~~

wherein the emulsion composition further comprises at least one ingredient selected from

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fragrances, preservatives, vitamins, ceramides, amino-acid derivatives, liposomes, polyols, botanicals, conditioning agents, glycols, vitamin A, vitamin C, vitamin E, Pro-Vitamin B5, sunscreen agents, humectants, preservatives, emollients, occlusive agents, esters, pigments, and self-tanning agents.

16. (New) The carbinol-functional silicone resin according to Claim 20, wherein greater than 25 weight percent of the R¹+R²+R³ groups are phenyl.

17. (New) The carbinol-functional silicone resin according to Claim 3 wherein the carbinol-functional silicone resin is selected from carbinol-functional silicone resins comprising the units:

((CH₃)₃SiO_{1/2})_a

((R²)CH₃SiO_{2/2})_b where R² = -(CH₂)₃C₆H₄OH

((C₆H₅)CH₃SiO_{2/2})_b and

(C₆H₅SiO_{3/2})_c,

carbinol-functional silicone resins comprising the units:

((R¹)(CH₃)₂SiO_{1/2})_a where R¹ = -(CH₂)₃C₆H₄OH and

(C₆H₅SiO_{3/2})_c,

carbinol-functional silicone resins comprising the units:

((R¹)(CH₃)₂SiO_{1/2})_a where R¹ = -(CH₂)₃C₆H₄OH and

(CH₃SiO_{3/2})_c,

carbinol-functional silicone resins comprising the units:

((R¹)(CH₃)₂SiO_{1/2})_a where R¹ = -(CH₂)₃OH and

(C₆H₅SiO_{3/2})_c,

carbinol-functional silicone resins comprising the units:

((R¹)(CH₃)₂SiO_{1/2})_a where R¹ = -(CH₂)₃OH

(CH₃SiO_{3/2})_c and

(C₆H₅SiO_{3/2})_c,

carbinol-functional silicone resins comprising the units:

$((\text{CH}_3)_3\text{SiO}_{1/2})_a$

$((\text{R}^2)\text{CH}_3\text{SiO}_{2/2})_b$ where $\text{R}^2 = -(\text{CH}_2)_3\text{OH}$

$((\text{C}_6\text{H}_5)\text{CH}_3\text{SiO}_{2/2})_b$ and

$(\text{C}_6\text{H}_5\text{SiO}_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((\text{CH}_3)_3\text{SiO}_{1/2})_a$

$((\text{R}^1)(\text{CH}_3)_2\text{SiO}_{1/2})_a$ where $\text{R}^1 = -(\text{CH}_2)_3\text{OH}$ and

$(\text{C}_6\text{H}_5\text{SiO}_{3/2})_c$,

carbinol-functional silicone resins comprising the units:

$((\text{R}^1)(\text{CH}_3)_2\text{SiO}_{1/2})_a$ where $\text{R}^1 = -\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{OH}$

$((\text{H})(\text{CH}_3)_2\text{SiO}_{1/2})_a$ and

$(\text{C}_6\text{H}_5\text{SiO}_{3/2})_c$,

~~carbinol functional silicone resins comprising the units:~~

~~$((\text{R}^4)(\text{CH}_3)_2\text{SiO}_{1/2})_a$ where $\text{R}^4 = -(\text{CH}_2)_3\text{OH}$~~

~~$(\text{CH}_3\text{SiO}_{3/2})_e$~~

wherein a has a typical value of 0.1 to 0.6, b has a typical value of zero to 0.4, and c has a typical value of 0.3 to 0.8.

18. (New) The method of preparing carbinol-functional silicone resins according to Claim 6 where a has a typical value of 0.1 to 0.6, b has a typical value of 0 to 0.4, c has a typical value of 0.3 to 0.8, and d has a typical value of 0 to 0.3.

19. (New) The emulsion composition according to Claim 14 wherein the emulsion composition further comprises at least one ingredient selected from fragrances, preservatives, vitamins, ceramides, amino-acid derivatives, liposomes, polyols, botanicals, conditioning agents, glycols, vitamin A, vitamin C, vitamin E, Pro-Vitamin B5, sunscreen agents, humectants, preservatives, emollients, occlusive agents, esters, pigments, and self-tanning agents.

20.(New) A carbinol-functional silicone resin comprising the units:

(R¹₃SiO_{1/2})_a (i)

(R²₂SiO_{2/2})_b (ii)

(R³SiO_{3/2})_c (iii) and

(SiO_{4/2})_d (iv)

wherein R¹ and R² are each independently a hydrogen atom, an alkyl group having from 1 to 8 carbon atoms, an aryl group, a carbinol group free of aryl groups having at least 3 carbon atoms, or an aryl-containing carbinol group having at least 6 carbon atoms, R³ is an alkyl group having from 1 to 8 carbon atoms or an aryl group, a has a value of less than or equal to 0.6, b has a value of zero or greater than zero, c has a value of greater than zero, d has a value of less than 0.5, and the value of a + b + c + d = 1, with the proviso that when each R² is methyl the value of b is less than 0.3 and with the proviso there is on average at least one carbinol group per resin molecule and greater than 10 wt% of the R¹+R²+R³ groups in the carbinol-functional silicone resin are phenyl.